

[Enhanced Software Components]

Abstract of Disclosure

The invention is a software structure for software components that adds greater flexibility to them. This structure is composed of the following parts: On Memory, Structure, On File Structure and On Memory On File Interface. This three parts are united into the same execution environment like a whole, performing functions like the older components but more complex than the older ones. The inner structure of an ESC is a three tier model that contains a piece of it always loaded in memory (On Memory Structure), the other (On File Structure) is loaded into pieces by a File Component Loader, and it works loading the pertinent data of the file extension. The On memory Structure and the On File Structure are communicated by an inner interface object (On Memory-On File interface) that provides a interface between the essential parts of an Enhanced Software Component establishing a two ways communication channel. This Interface is a common one for all ESC and it can be enriched in order to support specialized cases.

2001-07-17 13:20:20